

TYPE CK5656

TWIN TETRODE

DESCRIPTION

The CK5656 is a twin tetrode designed for use at frequencies up to the 400 megacycle region. The screen grids for the two sections are connected internally and by-passed to cathode by an internal condenser of approximately 15 micro-micro-farads capacitance.

MECHANICAL DATA

Bulb: T-6½

Base: Miniature Button 9-Pin

Dimensions:

Maximum Overall Length	2 3/16	inches
Maximum Seated Height	1 15/16	inches
Maximum Diameter	7/8	inches

Terminal Connections:

Pin 1	Grid #2 (Both Units)	Pin 6	Cathode (Both Units)
Pin 2	Grid #1 (Unit #1)	Pin 7	Plate (Unit #2)
Pin 3	Grid #1 (Unit #2)	Pin 8	Plate (Unit #1)
Pin 4	Heater	Pin 9	Cathode (Both Units)
Pin 5	Heater		

Mounting Position: Any

ELECTRICAL DATA

Direct Interelectrode Capacitance - Each Unit (Without External Shield)

Grid #1 to plate	.06	max.
Input	4.0	
Output	1.5	
Screen to Cathode approx.	15	uuf (including internal screen by-pass condenser)

Design Center Maximum Ratings: (Each Unit)

Plate Voltage	200	volts
Grid #2 Voltage	150	volts
Plate Dissipation	3.5	watts
Grid #2 Dissipation	.8	watt
Cathode Current	30	ma

Characteristics and Typical Operation: - Class A1 (Each Unit)

Heater Voltage	6.3	volts
Heater Current (Total)	0.40	amp.
Plate Voltage	200	volts
Grid #2 Voltage	150	volts
Grid #1 Voltage	-3.5	volts
Plate Resistance	.075	megohm
Transconductance	6200	umhos
Plate Current	15	ma
Screen Current	2.3	ma
Grid Voltage (For Ib=10 ua)	-13	volts

Rev. 1
CS-2451



TYPE CK5656

TWIN TETRODE

ELECTRICAL DATA (cont.)

Characteristics and Typical Operation - Push-Pull - Class C Telegraphy.

	ICAS *		
Heater Voltage	6.3	volts	
Heater Current (Total)	0.40	amp.	
Plate Voltage	200	volts	
Grid #2 Voltage	150	volts	
Grid D.C. Voltage	-13.5	volts	**
Grid Current	3	ma	
Plate Current	45	ma	
Screen Current	9	ma	
Power Output	2.5	watts approx.	
Frequency	300	mc.	

* ICAS = Intermittent Commercial and Amateur Service.

** Obtain preferably from 2500 ohms grid resistor in series with 6 volts fixed supply.

Tentative Data
August 27, 1948

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